

## SYSTEM AND METHOD FOR REMOTELY DEBUGGING APPLICATION PROGRAMS

### ABSTRACT OF THE DISCLOSURE

5 A method, system, and apparatus for debugging an application program from a  
workstation that is remote from a server on which the application program resides  
includes invoking the application program from the workstation via a network interface;  
displaying a user frame at the workstation that includes information generated by the  
application program; providing a debug view option at the workstation for generating a  
10 debug frame of the application program; and displaying the debug frame at the  
workstation when the debug view option is selected. A user can select options to switch  
between the user frame and the debug frame. The debug frame includes information  
about one or more components of the application program such as a list of the variables or  
objects, and the fields, methods, and/or the constructors associated with them. When the  
15 debug view option is selected, the information for the user frame is saved, and can be  
restored to regenerate the information on the user frame when the user view option is  
selected. The developer can view internal, public, and private code associated with the  
application program without compromising the security of other application programs on  
the server. This ability to remotely debug application programs in accordance with the  
20 present invention is thus more time and cost efficient than previous methods, and also  
alleviates concerns about security and unauthorized access to the server.

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